

10/573,883

9/6/11

STN

Search Histories

Forward citation search
of "X" + "P" documents
in Foreign Search Report
for 10/573,883

13:28:01 ON 06 SEP 2011
13:30:25 ON 06 SEP 2011

FILE 'DPCI' ENTERED AT 13:28:09 ON 06 SEP 2011

E US20030008172/PN

E US20030008172/PN.D

L1 8 SEA ABB=ON US20030008172/PN.D

E US6111063/PN.D

L2 4 SEA ABB=ON US6111063/PN.D

E JP11060701/PN

E JP11060701/PN.D

L3 2 SEA ABB=ON JP11060701/PN.D

E KR99011489/PN

E KR99011489/PN.D

E KR265783/PN

E KR265783/PN.D

L4 13 SEA ABB=ON (L1 OR L2 OR L3)

L5 SEL L4 1- PRN : 16 TERMS

FILE 'HCAPLUS, WPIX, JAPIO' ENTERED AT 13:29:38 ON 06 SEP 2011

L6 46 SEA ABB=ON L5

L7 46 SEA ABB=ON L6 AND P/DT

L8 14 SEA ABB=ON L7 AND 1980-2003/PRY, PY

L9 41 SEA ABB=ON L7 AND 2004-2011/PRY, PY

L10 5 SEA ABB=ON L7 NOT L9

L11 14 SEA ABB=ON L10 OR L8

D ALL 1-14

10/573,883

9/7/11

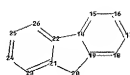
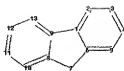
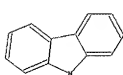
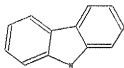
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07:45:29 ON 07 SEP 2011

07:54:01 ON 07 SEP 2011

FILE 'REGISTRY' ENTERED AT 07:45:35 ON 07 SEP 2011

L1 STRUCTURE UPLOADED
D



L2 50 SEA SSS SAM L1
L3 23207 SEA SSS FUL L1
L4 730 SEA ABB=ON L3 AND (COMONOMER OR CO MONOMER OR POLYMER? OR
ETHYLENE OR ACETYLENE OR MONONUCLEAR OR POLYNUCLEAR OR
ARYLAMINE)

FILE 'HCAPLUS' ENTERED AT 07:47:11 ON 07 SEP 2011

CHARGED TO COST=PROMPT OFF

L5 660 SEA ABB=ON L4
L6 543 SEA ABB=ON L5 AND ?POLYMER?
L7 125 SEA ABB=ON L5 AND H01L7/TPC, IC
L8 16 SEA ABB=ON L5 AND ELECTROACTIVE
L9 14 SEA ABB=ON L5 AND ?SENSOR?
L10 7 SEA ABB=ON L5 AND (PHOTOVOLTAIC OR PHOTO VOLTAIC)
L11 7 SEA ABB=ON L5 AND (SOLARCELL OR SOLAR CELL)
L12 0 SEA ABB=ON L5 AND OFC
L13 8 SEA ABB=ON L5 AND (ELECTRIC? OR ELECTRONIC? OR ELEC##) (2A) (DEV
ICE)
L14 10 SEA ABB=ON L5 AND ?TRANSISTOR?
L15 1 SEA ABB=ON L5 AND OFET
L16 2 SEA ABB=ON L5 AND FET
L17 21 SEA ABB=ON L5 AND OLED
L18 97 SEA ABB=ON L5 AND (LIGHT) (W) (EMIT? OR EMIS?)
L19 9 SEA ABB=ON L5 AND (PHOTOELECTRIC)
L20 172 SEA ABB=ON L5 AND ELECTROLUMINESCENT DEVICES
L21 40 SEA ABB=ON L5 AND (LUMINESCENT SCREENS)
L22 239 SEA ABB=ON (L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14
OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21)
L23 140 SEA ABB=ON L22 AND P/DT
L24 99 SEA ABB=ON L22 NOT L23
L25 16 SEA ABB=ON L24 NOT 2004-2011/PY
L26 42 SEA ABB=ON L23 AND 1980-2003/PXY, PY
L27 127 SEA ABB=ON L23 AND 2004-2011/PXY, PY
L28 13 SEA ABB=ON L23 NOT L27
L29 58 SEA ABB=ON L28 OR L26 OR L25
D IB1B ABS HITSTR HITIND 1
D IB1B ABS HITSTR HITIND 2-58

09:55:18 ON 07 SEP 2011

10:03:59 ON 07 SEP 2011

FILE 'REGISTRY' ENTERED AT 09:55:24 ON 07 SEP 2011

L1 14 SEA ABB=ON (612823-45-7 OR 852574-07-3 OR 852574-05-1 OR 815601-51-5 OR 463944-36-7 OR 815601-55-9 OR 728045-12-3 OR 728045-11-2 OR 714976-03-1 OR 714976-08-6 OR 714976-07-5 OR 714976-10-0 OR 714976-09-7 OR 714976-22-4)/RN

L2 138 SEA ABB=ON (612823-45-7 OR 852574-07-3 OR 852574-05-1 OR 815601-51-5 OR 463944-36-7 OR 815601-55-9 OR 728045-12-3 OR 728045-11-2 OR 714976-03-1 OR 714976-08-6 OR 714976-07-5 OR 714976-10-0 OR 714976-09-7 OR 714976-22-4)/CRN

L3 11 SEA ABB=ON (714976-03-1 OR 597570-66-6 OR 675622-66-6 OR 675622-71-6 OR 675622-70-5 OR 675622-73-8 OR 675622-73-8 OR 675622-76-1 OR 675622-80-7 OR 675622-79-4 OR 675622-82-9 OR 675622-83-0 OR 675622-86-3)/RN

L4 10 SEA ABB=ON (714976-03-1 OR 597570-66-6 OR 675622-66-6 OR 675622-71-6 OR 675622-70-5 OR 675622-73-8 OR 675622-73-8 OR 675622-76-1 OR 675622-80-7 OR 675622-79-4 OR 675622-82-9 OR 675622-83-0 OR 675622-86-3)/CRN

L5 13 SEA ABB=ON (675622-85-2 OR 675620-94-7 OR 675620-93-6 OR 675620-97-0 OR 675620-96-9 OR 672921-41-4 OR 672921-42-5 OR 672921-50-5 OR 672921-49-2 OR 672939-19-4 OR 672939-20-7 OR 672939-23-0 OR 672939-22-9)/RN

L6 12 SEA ABB=ON (672939-25-2 OR 672939-25-2 OR 672939-29-6 OR 672939-28-5 OR 672939-35-4 OR 672939-34-3 OR 672939-37-6 OR 672939-38-7 OR 644979-58-8 OR 644979-48-6 OR 644979-60-2 OR 644979-55-5 OR 644970-62-4)/RN

L7 6 SEA ABB=ON (672939-26-3 OR 672939-25-2 OR 672939-29-6 OR 672939-28-5 OR 672939-35-4 OR 672939-34-3 OR 672939-37-6 OR 672939-38-7 OR 644979-58-8 OR 644979-48-6 OR 644979-60-2 OR 644979-55-5 OR 644970-62-4)/CRN

L8 13 SEA ABB=ON (644979-56-6 OR 461396-11-2 OR 602299-88-7 OR 461396-12-3 OR 526216-15-9 OR 614719-34-5 OR 602299-91-2 OR 602299-90-1 OR 602299-93-4 OR 602299-92-3 OR 602299-94-5 OR 597570-73-5 OR 597570-72-4)/RN

L9 8 SEA ABB=ON (644979-56-6 OR 461396-11-2 OR 602299-88-7 OR 461396-12-3 OR 526216-15-9 OR 614719-34-5 OR 602299-91-2 OR 602299-90-1 OR 602299-93-4 OR 602299-92-3 OR 602299-94-5 OR 597570-73-5 OR 597570-72-4)/CRN

L10 12 SEA ABB=ON (597570-68-8 OR 597570-67-7 OR 545442-65-7 OR 545442-66-6 OR 545442-68-0 OR 545442-67-9 OR 494775-71-2 OR 494775-72-3 OR 316187-57-2 OR 316187-54-9 OR 501652-02-4 OR 476423-89-9 OR 468065-96-5)/RN

L11 8 SEA ABB=ON (597570-68-8 OR 597570-67-7 OR 545442-65-7 OR 545442-66-6 OR 545442-68-0 OR 545442-67-9 OR 494775-71-2 OR 494775-72-3 OR 316187-57-2 OR 316187-54-9 OR 501652-02-4 OR 476423-89-9 OR 468065-96-5)/CRN

L12 12 SEA ABB=ON (468065-98-7 OR 468065-95-4 OR 457893-77-5 OR 457893-76-4 OR 316187-56-1 OR 316187-53-8 OR 316187-57-2 OR 316187-58-3 OR 289910-90-3 OR 289910-93-6 OR 289910-97-0 OR 289910-99-2)/RN

L13 3 SEA ABB=ON (468065-98-7 OR 468065-95-4 OR 457893-77-5 OR 457893-76-4 OR 316187-56-1 OR 316187-53-8 OR 316187-57-2 OR 316187-58-3 OR 289910-90-3 OR 289910-93-6 OR 289910-97-0 OR 289910-99-2)/CRN

L14 11 SEA ABB=ON (169834-34-8 OR 169834-35-9 OR 74977-07-4 OR 152849-12-2 OR 152849-11-1 OR 146268-25-9 OR 146268-22-1 OR 65461-62-3 OR 65461-63-4 OR 121462-91-7 OR 121462-90-6 OR 25557-82-8)/RN

L15 13 SEA ABB=ON (169834-34-8 OR 169834-35-9 OR 74977-07-4 OR 152849-12-2 OR 152849-11-1 OR 146268-25-9 OR 146268-22-1 OR 65461-62-3 OR 65461-63-4 OR 121462-91-7 OR 121462-90-6 OR 25557-82-8)/CRN

L16 250 SEA ABB=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15)

FILE 'HCAPLUS' ENTERED AT 09:57:02 ON 07 SEP 2011

L17 375 SEA ABB=ON L16
 L18 120 SEA ABB=ON L17 AND P/D
 L19 255 SEA ABB=ON L17 NOT L18

L20 213 SEA ABB=ON L19 NOT 2004-2011/PY
 L21 63 SEA ABB=ON L18 AND 1980-2003/PRY,PY
 L22 96 SEA ABB=ON L18 AND 2004-2011/PRY,PY
 L23 24 SEA ABB=ON L18 NOT L22
 L24 276 SEA ABB=ON L23 OR L21 OR L20
 L25 9 SEA ABB=ON L24 AND (LED OR OLED)
 L26 6 SEA ABB=ON L24 AND ?TRANSISTOR?
 L27 19 SEA ABB=ON L24 AND SEMICONDUCT?
 L28 39 SEA ABB=ON L24 AND H01L?/IPC,IC
 L29 1 SEA ABB=ON L24 AND (PHOTOVOLTAIC OR PHOTO VOLTAIC)
 L30 2 SEA ABB=ON L24 AND (SOLARCELL OR SOLAR CELL)
 L31 8 SEA ABB=ON L24 AND ?SENSOR?
 L32 38 SEA ABB=ON L24 AND ?ELECTROLUMINESC?
 L33 48 SEA ABB=ON L24 AND ?LUMINESC?
 L34 4 SEA ABB=ON L24 AND (ELECTRONIC OR ELECTRIC? OR ELEEC##) (2A) (DEVICE)
 L35 1 SEA ABB=ON L24 AND (FET OR OFET OR OTFT OR TFT)
 L36 5 SEA ABB=ON L24 AND (FIELD EFFECT TRANSISTORS)
 L37 7 SEA ABB=ON L24 AND (LUMINESCENT SCREENS)
 L38 5 SEA ABB=ON L24 AND (DISPLAY) (2A) (PANEL OR DEVICE)
 L39 5 SEA ABB=ON L24 AND LUMIN####
 L40 17 SEA ABB=ON L24 AND (LIGHT) (W) (EMIT? OR EMIS?)
 L41 72 SEA ABB=ON (L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR
 L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40)
 D IB1B ABS HITSTR HITIND 1
 D IB1B ABS HITSTR HITIND 2-72

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9/6/11

STN

14:25:43 ON 06 SEP 2011

14:27:31 ON 06 SEP 2011

FILE 'HCAPLUS' ENTERED AT 14:25:49 ON 06 SEP 2011

L1 1 SEA ABB=ON (MORIN?)/AU AND (DROLET?)/AU AND LECLERC?/AU AND
2004/PY
D ALL
L2 SEL L1 1- RN : 60 TERMS
L3 1036383 SEA ABB=ON L2
L4 1 SEA ABB=ON L1 AND L3
D HITSTR HITIND
L5 1 SEA ABB=ON WO2005016882/PN
D ALL
L6 SEL L5 1- RN : 71 TERMS
L7 218787 SEA ABB=ON L6
L8 1 SEA ABB=ON L5 AND L7
D HITSTR HITIND

10/573,883

9/6/11

STN

14:25:43 ON 06 SEP 2011

14:27:31 ON 06 SEP 2011

FILE 'HCAPLUS' ENTERED AT 14:25:49 ON 06 SEP 2011

L1 1 SEA ABB=ON (MORIN?)/AU AND (DROLET?)/AU AND LECLERC?/AU AND
2004/PY
D ALL
L2 SEL L1 1- RN : 60 TERMS
L3 1036383 SEA ABB=ON L2
L4 1 SEA ABB=ON L1 AND L3
D HITSTR HITIND
L5 1 SEA ABB=ON WO2005016882/PN
D ALL
L6 SEL L5 1- RN : 71 TERMS
L7 218787 SEA ABB=ON L6
L8 1 SEA ABB=ON L5 AND L7
D HITSTR HITIND

CAS Registry numbers for di-carbazole-like polymers from structure search:

(612823-45-7 or 852574-07-3 or 852574-05-1 or 815601-51-5 or 463944-36-7 or 815601-55-9 or 728045-12-3 or 728045-11-2 or 714976-03-1 or 714976-08-6 or 714976-07-5 or 714976-10-0 or 714976-09-7 or 714976-22-4)/rn

(612823-45-7 or 852574-07-3 or 852574-05-1 or 815601-51-5 or 463944-36-7 or 815601-55-9 or 728045-12-3 or 728045-11-2 or 714976-03-1 or 714976-08-6 or 714976-07-5 or 714976-10-0 or 714976-09-7 or 714976-22-4)/crn

(714976-03-1 or 597570-66-6 or 675622-66-6 or 675622-71-6 or 675622-70-5 or 675622-73-8 or 675622-73-8 or 675622-76-1 or 675622-80-7 or 675622-79-4 or 675622-82-9 or 675622-83-0 or 675622-86-3)/rn

(714976-03-1 or 597570-66-6 or 675622-66-6 or 675622-71-6 or 675622-70-5 or 675622-73-8 or 675622-73-8 or 675622-76-1 or 675622-80-7 or 675622-79-4 or 675622-82-9 or 675622-83-0 or 675622-86-3)/crn

(675622-85-2 or 675620-94-7 or 675620-93-6 or 675620-97-0 or 675620-96-9 or 672921-41-4 or 672921-42-5 or 672921-50-5 or 672921-49-2 or 672939-19-4 or 672939-20-7 or 672939-23-0 or 672939-22-9)/rn

(672939-26-3 or 672939-25-2 or 672939-29-6 or 672939-28-5 or 672939-35-4 or 672939-34-3 or 672939-37-6 or 672939-38-7 or 644979-58-8 or 644979-48-6 or 644979-60-2 or 644979-55-5 or 644970-62-4)/rn

(672939-26-3 or 672939-25-2 or 672939-29-6 or 672939-28-5 or 672939-35-4 or 672939-34-3 or 672939-37-6 or 672939-38-7 or 644979-58-8 or 644979-48-6 or 644979-60-2 or 644979-55-5 or 644970-62-4)/crn

(644979-56-6 or 461396-11-2 or 602299-88-7 or 461396-12-3 or 526216-15-9 or 614719-34-5 or 602299-91-2 or 602299-90-1 or 602299-93-4 or 602299-92-3 or 602299-94-5 or 597570-73-5 or 597570-72-4)/rn

(644979-56-6 or 461396-11-2 or 602299-88-7 or 461396-12-3 or 526216-15-9 or 614719-34-5 or 602299-91-2 or 602299-90-1 or 602299-93-4 or 602299-92-3 or 602299-94-5 or 597570-73-5 or 597570-72-4)/crn

(597570-68-8 or 597570-67-7 or 545442-65-7 or 545442-66-6 or 545442-68-0 or 545442-67-9 or 494775-71-2 or 494775-72-3 or 316187-57-2 or 316187-54-9 or 501652-02-4 or 476423-89-9 or 468065-96-5)/rn

(597570-68-8 or 597570-67-7 or 545442-65-7 or 545442-66-6 or 545442-68-0 or 545442-67-9 or 494775-71-2 or 494775-72-3 or 316187-57-2 or 316187-54-9 or 501652-02-4 or 476423-89-9 or 468065-96-5)/crn

(468065-98-7 or 468065-95-4 or 457893-77-5 or 457893-76-4 or 316187-56-1 or 316187-53-8 or 316187-57-2 or 316187-58-3 or 289910-90-3 or 289910-93-6 or 289910-97-0 or 289910-99-2)/rn

(468065-98-7 or 468065-95-4 or 457893-77-5 or 457893-76-4 or 316187-56-1 or 316187-53-8 or 316187-57-2 or 316187-58-3 or 289910-90-3 or 289910-93-6 or 289910-97-0 or 289910-99-2)/crn

(169834-34-8 or 169834-35-9 or 74977-07-4 or 152849-12-2 or 152849-11-1 or 146268-25-9 or 146268-22-1 or 65461-62-3 or 65461-63-4 or 121462-91-7 or 121462-90-6 or 25557-82-8)/rn

(169834-34-8 or 169834-35-9 or 74977-07-4 or 152849-12-2 or 152849-11-1 or 146268-25-9 or 146268-22-1 or 65461-62-3 or 65461-63-4 or 121462-91-7 or 121462-90-6 or 25557-82-8)/crn

10/573,883

9/6/11

STN

Registry numbers extracted from Examiner Cited Art that showed compounds/polymers of interest:

695170-07-1/rn

695170-09-3/rn

695170-11-7/rn

695170-14-0/rn

695170-05-9/rn

L41 ANSWER 36 OF 72

COPYRIGHT ACS on STN

ACCESSION NUMBER:

2003:96340 HCAPLUS

TITLE:

Polymeric fluorescent substance and polymer light-emitting device using the same

INVENTOR(S):

Doi, Shuji; Noguchi, Takanobu; Tsubata, Yoshiaki

PATENT ASSIGNEE(S):

Sumitomo Chemical Company, Limited, Japan

SOURCE:

Eur. Pat. Appl., 31 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

English

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

EP 1281745

A1

20030205

EP 2002-255267

20020729 <--

EP 1281745

B1

20040915

AU 2001274550

A1

20030102

AU 2001-274550

20010619 <--

SG 94878

A1

20030318

SG 2002-4431

20020723 <--

TW 586332

B

20040501

TW 2002-116442

20020724 <--

KR 924240

B1

20091030

KR 2002-44168

20020726 <--

US 20030064247

A1

20030403

US 2002-206880

20020729 <--

US 7255936

B2

20070814

JP 20031155476

A

20030530

JP 2002-219296

20020729 <--

JP 4341212

B2

20091007

PRIORITY APPLN. INFO.:

JP 2001-229306

A 20010730 <--

AB

Polymeric fluorescent substances exhibiting visible fluorescence in the solid state and having a polystyrene reduced number average mol. weight of 103-108 are described which are formed from arylene repeating units, optionally along with divalent heterocyclic repeating units, with at least some of the arylene repeating units having substituents including triarylamine groups. Light-emitting devices and displays employing the polymers, and liquid-crystal displays employing the light-emitting devices as backlights, are also described.

IT

494775-72-3P 494775-73-4P

RL: DEV (Device component use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)

(fluorescent polymers from monomers with triarylamine substituents and light-emitting devices using them)

RN

494775-72-3 HCAPLUS

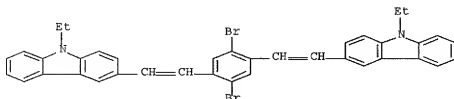
CN

9H-Carbazole, 3,3'-[(2,5-dibromo-1,4-phenylene) di-2,1-ethenediyl] bis[9-ethyl-, polymer with 2,7-dibromo-9,9-dioctyl-9H-fluorene and 2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl) bis[1,3,2-dioxaborolane] (9CI) (CA INDEX NAME)

CM 1

CRN 494775-71-2

CMF C38 H30 Br2 N2

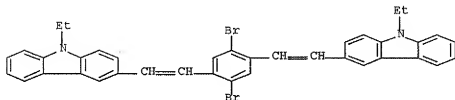


RN 494775-73-4 HCAPLUS
 CN 9H-Carbazole, 3,3'-[(2,5-dibromo-1,4-phenylene)di-2,1-ethenediyl]bis[9-ethyl-, polymer with 2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis[1,3,2-dioxaborolane] (9CI) (CA INDEX NAME)

CM 1

CRN 494775-71-2

CMF C38 H30 Br2 N2



ST electroluminescent device fluorescent polymer arylamine substituent;
 fluorescent polymer arylamine substituent
 IT Electroluminescent devices
 (displays; fluorescent polymers from monomers with triarylamine
 substituents and light-emitting devices using them)
 IT Luminescent screens
 (electroluminescent; fluorescent polymers from monomers with
 triarylamine substituents and light-emitting
 devices using them)
 IT Electroluminescent devices
 Fluorescent substances
 (fluorescent polymers from monomers with triarylamine substituents and
 light-emitting devices using them)
 IT 494775-65-4P 494775-67-6P 494775-68-7P 494775-69-8P 494775-70-1P
 494775-72-3P 494775-73-4P 494775-74-5P
 RL: DEV (Device component use); SPN (Synthetic preparation); PREP
 (Preparation); USES (Uses)
 (fluorescent polymers from monomers with triarylamine substituents and
 light-emitting devices using them)

L41 ANSWER 54 OF 72 COPYRIGHT ACS on STN
 ACCESSION NUMBER: 1994:177613 HCAPLUS
 TITLE: Organic electroluminescent elements
 INVENTOR(S): Hosokawa, Chishio; Sakamoto, Shuji; Kusumoto, Tadashi
 PATENT ASSIGNEE(S): Idemitsu Kosan Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 118 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9306189	A1	19930401	WO 1992-JP1180	19920916 <--
JP 05247458	A	19930924	JP 1992-50865	19920309 <--
JP 3109894	B2	20001120		
JP 05135878	A	19930601	JP 1992-51955	19920310 <--
JP 3109896	B2	20001120		
EP 557534	A1	19930901	EP 1992-919965	19920916 <--
US 5389444	A	19950214	US 1993-50489	19930511 <--
PRIORITY APPLN. INFO.:			JP 1991-238111	A 19910918 <--
			JP 1992-50865	A 19920309 <--
			JP 1992-51955	A 19920310 <--
			WO 1992-JP1180	W 19920916 <--

AB The element comprises a phosphor and/or a hole-transporter material consisting of a polycarbonate having a styrylamine or a diarylvinylenearylene structure as the repeating unit. The element has a high luminance and a long-life stability.

IT 152849-12-2P

RL: PREP (Preparation)
 (prepare and use of, as electroluminescent phosphors and/or hole transporters)

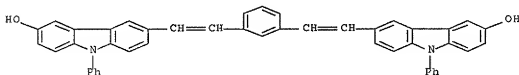
RN 152849-12-2 HCAPLUS

CN Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] and 6,6'-(1,3-phenylenedi-2,1-ethenediyl)bis[9-phenyl-9H-carbazol-3-ol] (9CI) (CA INDEX NAME)

CM 1

CRN 152849-11-1

CMF C46 H32 N2 O2



ST electroluminescent polycarbonate phosphor hole transporter manuf

IT Polycarbonates, uses

RL: USES (Uses)

(electroluminescent phosphors and hole-transporters from)

IT Phosphors

(polycarbonate, and hole-transporters for electroluminescent elements)